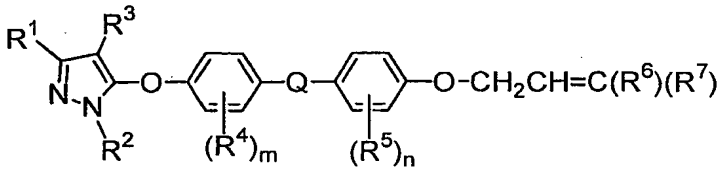
CLAIMS

1. A pyrazole compound represented by the formula(a):



(a)

wherein,

R^1 represents a hydrogen atom, a C1 to C4 alkyl group or a tifluoromethyl group;

R^2 represents a C1 to C4 alkyl group;

R^3 represents a hydrogen atom, a C1 to C6 alkyl group, a C1 to C6 haloalkyl group, a C2 to C6 alkenyl group, a C2 to C6 haloalkenyl group, a C2 to C6 alkynyl group, a C2 to C6 haloalkynyl group, a C1 to C5 hydroxyalkyl group, a C2 to C6 alkoxyalkyl group, a C2 to C6 alkoxycarbonyl group, a C4 to C6 alkenyloxycarbonyl group, a C4 to C6 haloalkenyloxycarbonyl group, a halogen atom or a cyano group;

R^4 represents a halogen atom, a C1 to C3 alkyl group, a C1 to C3 alkoxy group, a C1 to C3 haloalkyl group or a C1 to C3 haloalkoxy group;

m represents an integer of 0 to 4 and when m is an integer of 2 to 4, each of R^4s may be the same or different;

R^5 represents a halogen atom, a C1 to C3 alkyl group, a C1 to C3 alkoxy group, a C1 to C3 haloalkyl group or a C1 to C3 haloalkoxy group;

n represents an integer of 0 to 4 and when n is an integer of 2 to 4, each of R^5s may be the same or different;

each of R^6 and R^7 may be the same or different and represents a hydrogen atom, a halogen atom or a methyl group;
Q represents an oxygen atom, a sulfur atom or a C1 to C5 alkylidene.

2. The pyrazole compound according to claim 1, wherein
R^1 is a C1 to C4 alkyl group or a tifluoromethyl group;
R^2 is a C1 to C4 alkyl group;
R^3 is a hydrogen atom, a C1 to C6 alkyl group, a C1 to C6 haloalkyl group, a C2 to C6 alkenyl group, a C2 to C6 haloalkenyl group, a C2 to C6 alkynyl group, a C2 to C6 haloalkynyl group, a C1 to C5 hydroxyalkyl group, a C2 to C6 alkoxyalkyl group, a C2 to C6 alkoxycarbonyl group, a C4 to C6 alkenyloxycarbonyl group, a C4 to C6 haloalkenyloxycarbonyl group or a cyano group;
R^4 is a halogen atom, a C1 to C3 alkyl group, a C1 to C3 alkoxy group, a C1 to C3 haloalkyl group or a C1 to C3 haloalkoxy group;
m is an integer of 0 to 4 and when m is an integer of 2 to 4, each of R^4s may be the same or different;
R^5 is a halogen atom, a C1 to C3 alkyl group, a C1 to C3 alkoxy group, a C1 to C3 haloalkyl group or a C1 to C3 haloalkoxy group;
n is an integer of 0 to 4 and when n is an integer of 2 to 4, each of R^5s may be the same or different;
each of R^6 and R^7 may be the same or different and is a hydrogen atom, a halogen atom or a methyl group;
Q represents an oxygen atom in the formula (a).

3. The pyrazole compound according to claim 1, wherein
R^3 is a C1 to C6 alkyl group, a C1 to C6 haloalkyl group, a C2 to C6 alkenyl group or a C2 to C6 alkynyl group in the formula

(a).

4. The pyrazole compound according to claim 1, wherein R^3 is a halogen atom in the formula (a).

5. The pyrazole compound according to claim 1, wherein R^1 is a C1 to C4 alkyl group or trifluoromethyl group in the formula (a).

6. The pyrazole compound according to claim 1, wherein R^1 is a methyl group in the formula (a).

7. The pyrazole compound according to claim 1, wherein Q is an oxygen atom in the formula (a).

8. The pyrazole compound according to claim 1, wherein m is an integer of 0 in the formula (a).

9. The pyrazole compound according to claim 1, wherein n is an integer of 0 in the formula (a).

10. The pyrazole compound according to claim 1, wherein m is an integer of 0 and n is an integer of 0 in the formula (a).

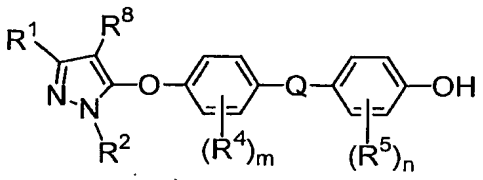
11. The pyrazole compound according to claim 1, wherein R^6 and R^7 are chlorine atoms in the formula (a).

12. A noxious arthropod pests controlling composition comprising the pyrazole compound according to claim 1 as an active ingredient and an inert carrier.

13. A method for controlling noxious arthropod pests comprising applying an effective amount of the pyrazole compound according to claim 1 to noxious arthropod pests or habitat noxious arthropod pests.

14. A use of the pyrazole compound according to claim 1 as a noxious arthropod pests controlling composition.

15. A compound of formula (b):



(b)

wherein,

R^1 represents a hydrogen atom, a C1 to C4 alkyl group or a tifluoromethyl group;

R^2 represents a C1 to C4 alkyl group;

R^8 represents a hydrogen atom, a C1 to C6 alkyl group, a C1 to C6 haloalkyl group, a C2 to C6 alkenyl group, a C2 to C6 haloalkenyl group, a C2 to C6 alkynyl group, a C2 to C6 haloalkynyl group, a C1 to C5 hydroxyalkyl group, a C2 to C6 alkoxyalkyl group, a C2 to C6 alkoxycarbonyl group, a C4 to C6 alkenyloxycarbonyl group, a C4 to C6 haloalkenyloxycarbonyl group, a carboxyl group, a halogen atom or a cyano group;

R^4 represents a halogen atom, a C1 to C3 alkyl group, a C1 to C3 alkoxy group, a C1 to C3 haloalkyl group or a C1 to C3 haloalkoxy group;

m represents an integer of 0 to 4 and when m is an integer of 2 to 4, each of R^4s may be the same or different;

R^5 represents a halogen atom, a C1 to C3 alkyl group, a C1 to C3 alkoxy group, a C1 to C3 haloalkyl group or a C1 to C3 haloalkoxy group;

n represents an integer of 0 to 4 and when n is an integer of 2 to 4, each of R^5s may be the same or different;

Q represents an oxygen atom, a sulfur atom or a C1 to C5 alkylidene group.

16. The compound according to claim 15, wherein R^8 is a a C1 to C6 alkyl group, a C2 to C6 alkenyl group, a C2 to C6 alkynyl group or a halogen atom in the formula (b).